

What is claimed is:

1. An overhead frame structure comprising:

two spaced-apart side frame members, each side frame member having at least
one protrusion, each protrusion on one side frame member extending
5 toward an opposing protrusion on the other side frame member, each
protrusion having segments extending longitudinally thereof, the
segments providing each protrusion with a corrugated configuration;
one or more cross members, each cross member extending between a pair of
opposing protrusions, each cross member having end portions adapted
10 for receiving said pair of opposing protrusions therein, each end
portion having a wall having segments extending longitudinally
thereof, the segments providing each wall with a corrugated
configuration, each wall engaging one of said pair of opposing
protrusions; and
15 fasteners releasably securing said cross member end portions to said
protrusions.

2. The structure of claim 1, wherein each side frame member comprises two or more
vertically extending posts each having lower ends, the lower ends adapted to couple to a
frame of a vehicle.

3. The structure of claim 1, wherein each side frame member comprises two or more
vertically extending posts each having an upper corner portion that extends into a
generally horizontal segment.

4. The structure of claim 3, wherein at least one of the pairs of opposing protrusions is positioned on respective upper corner portions of the side frame members.
5. The structure of claim 1, wherein each of the pairs of opposing protrusions is positioned so that the protrusions align with yet oppose each other.
- 5 6. The structure of claim 1, wherein each end portion of each cross member has a longitudinally extending upper portion and lower portion, wherein the lower portion comprises the wall having the corrugated configuration and the upper portion extends about the lower portion.
- 10 7. The structure of claim 1, wherein the protrusions of each side frame member and the walls of each end portion of each cross member have similarly shaped longitudinal cross sections.
8. The structure of claim 7, wherein the similarly shaped longitudinal cross sections each comprise two or more of the segments oriented in jagged relation to each other.
- 15 9. The structure of claim 7, wherein the similarly shaped longitudinal cross sections are each generally shaped like a “w”.
10. The structure of claim 1, wherein the fastener comprises a threaded bolt.
11. A method of assembling members of an overhead frame structure comprising:
providing two side frame members each having at least one protrusion, each
protrusion on one side frame member extending toward an opposing
20 protrusion on the other side frame member, each protrusion having
segments extending longitudinally thereof, the segments providing each
protrusion with a corrugated configuration;

providing one or more cross members, each cross member having end portions

adapted for receiving one pair of opposing protrusions therein, each end

portion having a wall having segments extending longitudinally thereof,

the segments providing each wall with a corrugated configuration;

5 interconnecting each of the cross members with one of the pairs of opposing

protrusions of the side frame members such that the protrusions are

received within the end portions of the cross members and the walls of the

end portions engage with the protrusions; and

securing said cross member end portions to said protrusions.

10 12. The method of claim 11, wherein the interconnecting step comprises the steps of:

selecting one cross member for every pair of opposing protrusions;

inserting the one or more pairs of opposing protrusions into the respective end
portions of the selected cross members; and

aligning the protrusions with the walls of the end portions of the selected cross

15 members for proper engagement therebetween.

13. The method of claim 11, wherein the securing step comprises providing fasteners to
secure the wall of each end portion to one of the protrusions.

14. The method of claim 11, further comprising the step of coupling the structure to a frame
of a vehicle.

20 15. The method of claim 14, further comprising the step of disassembling the structure from
the vehicle.

16. The method of claim 15, wherein the disassembling step comprises the steps of:

releasing the cross members from the pairs of protrusions;

disconnecting each of the cross members from the pairs of protrusions on the side frame members such that the corrugated walls of the cross member end portions are disengaged with the protrusions and the protrusions are retracted from the walls of the end portions; and

5 removing the side frame members from the frame of the vehicle.

17. The method of claim 16, further comprising the step of storing the disassembled side frame members and cross members of the structure.

18. The method of claim 16, further comprising the step of shipping the disassembled side frame members and cross members of the structure.

10 19. The method of claim 18, further comprising the steps of:

assembling the side frame members and cross members to form the rollover protective structure; and

coupling the structure to the frame of the vehicle.

20. A method of supplying an overhead frame structure comprising:

15 providing two side frame members each having at least one protrusion, each protrusion on one side frame member extending toward an opposing protrusion on the other side frame member, each protrusion having segments extending longitudinally thereof, the segments providing each protrusion with a corrugated configuration;

20 providing one or more cross members, each cross member having end portions adapted for receiving one pair of opposing protrusions therein, each end portion having a wall having segments extending longitudinally thereof, the segments providing each wall with a corrugated configuration; and

shipping the side frame members and the cross members.

21. The method of claim 20, further comprising the steps of:

interconnecting each of the cross members with one of the pairs of opposing

protrusions of the side frame members such that the protrusions are

5 received within the end portions of the cross members and the walls of the

end portions engage with the protrusions;

securing said cross member end portions to said protrusions to form the overhead

frame structure; and

coupling the structure to a frame of a vehicle.

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